

ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

| Title of Invention | POWER SAVING BY DISABLING CYCLIC BITLINE PRECHARGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|--------------------------|-------------------|-----------|--------------|---|------------|--------------------------|-------------|---|------------|----------------|-------|------------|------------|----------------|-------|------------|--------------|---------------------------|------|------------|--------------|------------------|-------|------------|--------------|------------------|-------|------------|--------|---------------------------|------|------------|--------|------------|------|------------|--------|------------|-------|------------|----------------|------------------------|-------|------------|------------------|-----------------------|-------|------------|------------------|----------------------|-------|------------|------------------|------------|--------|------------|------------------|------------|--------|------------|------------------|------------|--------|------------|------------------|------------|------|------------|------------------|------------|------|------------|------------------|------------|------|------------|------------------|------------|------|------------|------------------|------------|------|------------|------------------|------------|------|------------|------------------|-----------|------|------------|------------------|------------|------|------------|------------------|------------|------|------------|
| Submission Type : | Utility Patent Filing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Application Number: | 10/711982 |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EFS ID: | 70579 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Server Response: | <table border="1"><thead><tr><th>Confirmation Code</th><th>Message</th></tr></thead><tbody><tr><td>ISVR1</td><td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td></tr><tr><td>ICON1</td><td>5981</td></tr><tr><td>USPTOEFSNot</td><td>For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: http://www.uspto.gov/ebc/</td></tr></tbody></table> | | | Confirmation Code | Message | ISVR1 | Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application | ICON1 | 5981 | USPTOEFSNot | For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: http://www.uspto.gov/ebc/ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Confirmation Code | Message | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ISVR1 | Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICON1 | 5981 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| USPTOEFSNot | For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: http://www.uspto.gov/ebc/ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| First Named Applicant: | Juergen Pille | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Attorney Docket Number: | DE920030003US1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Timestamp: | 2004-10-18 16:28:33 EDT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| From: | US | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| File Listing: | <table border="1"><thead><tr><th>Doc. Name</th><th>File Name</th><th>Size (Bytes)</th><th>Date Produced (yyyymmdd)</th></tr></thead><tbody><tr><td>us-request</td><td>DE920030003US1-usreq.xml</td><td>3219</td><td>2004-10-18</td></tr><tr><td>us-request</td><td>us-request.dtd</td><td>19064</td><td>2004-10-18</td></tr><tr><td>us-request</td><td>us-request.xsl</td><td>33904</td><td>2004-10-18</td></tr><tr><td>us-fee-sheet</td><td>DE920030003US1-usfees.xml</td><td>1749</td><td>2004-10-18</td></tr><tr><td>us-fee-sheet</td><td>us-fee-sheet.xsl</td><td>24912</td><td>2004-10-18</td></tr><tr><td>us-fee-sheet</td><td>us-fee-sheet.dtd</td><td>10032</td><td>2004-10-18</td></tr><tr><td>us-ids</td><td>DE920030003US1-usidst.xml</td><td>1549</td><td>2004-10-18</td></tr><tr><td>us-ids</td><td>us-ids.dtd</td><td>7763</td><td>2004-10-18</td></tr><tr><td>us-ids</td><td>us-ids.xsl</td><td>12026</td><td>2004-10-18</td></tr><tr><td>us-declaration</td><td>DE920030003US1dec2.tif</td><td>18842</td><td>2004-10-18</td></tr><tr><td>application-body</td><td>DE920030003US1ABX.xml</td><td>19938</td><td>2004-10-18</td></tr><tr><td>application-body</td><td>application-body.dtd</td><td>49498</td><td>2004-10-18</td></tr><tr><td>application-body</td><td>image1.tif</td><td>800905</td><td>2004-10-18</td></tr><tr><td>application-body</td><td>image2.tif</td><td>800905</td><td>2004-10-18</td></tr><tr><td>application-body</td><td>image3.tif</td><td>800905</td><td>2004-10-18</td></tr><tr><td>application-body</td><td>soamsa.ent</td><td>5191</td><td>2004-10-18</td></tr><tr><td>application-body</td><td>soamsb.ent</td><td>3988</td><td>2004-10-18</td></tr><tr><td>application-body</td><td>soamsc.ent</td><td>1460</td><td>2004-10-18</td></tr><tr><td>application-body</td><td>soamsn.ent</td><td>5620</td><td>2004-10-18</td></tr><tr><td>application-body</td><td>soamso.ent</td><td>1934</td><td>2004-10-18</td></tr><tr><td>application-body</td><td>soamsr.ent</td><td>7073</td><td>2004-10-18</td></tr><tr><td>application-body</td><td>sobox.ent</td><td>3568</td><td>2004-10-18</td></tr><tr><td>application-body</td><td>socyr1.ent</td><td>5345</td><td>2004-10-18</td></tr><tr><td>application-body</td><td>socyr2.ent</td><td>2504</td><td>2004-10-18</td></tr></tbody></table> | | | Doc. Name | File Name | Size (Bytes) | Date Produced (yyyymmdd) | us-request | DE920030003US1-usreq.xml | 3219 | 2004-10-18 | us-request | us-request.dtd | 19064 | 2004-10-18 | us-request | us-request.xsl | 33904 | 2004-10-18 | us-fee-sheet | DE920030003US1-usfees.xml | 1749 | 2004-10-18 | us-fee-sheet | us-fee-sheet.xsl | 24912 | 2004-10-18 | us-fee-sheet | us-fee-sheet.dtd | 10032 | 2004-10-18 | us-ids | DE920030003US1-usidst.xml | 1549 | 2004-10-18 | us-ids | us-ids.dtd | 7763 | 2004-10-18 | us-ids | us-ids.xsl | 12026 | 2004-10-18 | us-declaration | DE920030003US1dec2.tif | 18842 | 2004-10-18 | application-body | DE920030003US1ABX.xml | 19938 | 2004-10-18 | application-body | application-body.dtd | 49498 | 2004-10-18 | application-body | image1.tif | 800905 | 2004-10-18 | application-body | image2.tif | 800905 | 2004-10-18 | application-body | image3.tif | 800905 | 2004-10-18 | application-body | soamsa.ent | 5191 | 2004-10-18 | application-body | soamsb.ent | 3988 | 2004-10-18 | application-body | soamsc.ent | 1460 | 2004-10-18 | application-body | soamsn.ent | 5620 | 2004-10-18 | application-body | soamso.ent | 1934 | 2004-10-18 | application-body | soamsr.ent | 7073 | 2004-10-18 | application-body | sobox.ent | 3568 | 2004-10-18 | application-body | socyr1.ent | 5345 | 2004-10-18 | application-body | socyr2.ent | 2504 | 2004-10-18 |
| Doc. Name | File Name | Size (Bytes) | Date Produced (yyyymmdd) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-request | DE920030003US1-usreq.xml | 3219 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-request | us-request.dtd | 19064 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-request | us-request.xsl | 33904 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-fee-sheet | DE920030003US1-usfees.xml | 1749 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-fee-sheet | us-fee-sheet.xsl | 24912 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-fee-sheet | us-fee-sheet.dtd | 10032 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-ids | DE920030003US1-usidst.xml | 1549 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-ids | us-ids.dtd | 7763 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-ids | us-ids.xsl | 12026 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-declaration | DE920030003US1dec2.tif | 18842 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | DE920030003US1ABX.xml | 19938 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | application-body.dtd | 49498 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | image1.tif | 800905 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | image2.tif | 800905 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | image3.tif | 800905 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | soamsa.ent | 5191 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | soamsb.ent | 3988 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | soamsc.ent | 1460 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | soamsn.ent | 5620 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | soamso.ent | 1934 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | soamsr.ent | 7073 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | sobox.ent | 3568 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | socyr1.ent | 5345 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | socyr2.ent | 2504 | 2004-10-18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Doc. Name | File Name | Size (Bytes) | Date Produced (yyyymmdd) |
|----------------------|--------------------------------|--------------|--------------------------|
| application-body | sodia.ent | 1508 | 2004-10-18 |
| application-body | sogrk1.ent | 4030 | 2004-10-18 |
| application-body | sogrk2.ent | 2259 | 2004-10-18 |
| application-body | sogrk3.ent | 3559 | 2004-10-18 |
| application-body | sogrk4.ent | 1920 | 2004-10-18 |
| application-body | solatt1.ent | 5282 | 2004-10-18 |
| application-body | solat2.ent | 9007 | 2004-10-18 |
| application-body | somfrk.ent | 4553 | 2004-10-18 |
| application-body | somopf.ent | 2571 | 2004-10-18 |
| application-body | somscr.ent | 4628 | 2004-10-18 |
| application-body | sonum.ent | 5913 | 2004-10-18 |
| application-body | sopub.ent | 6621 | 2004-10-18 |
| application-body | sotech.ent | 5268 | 2004-10-18 |
| application-body | mathml2.dtd | 54588 | 2004-10-18 |
| application-body | mathml2-qname-1.mod | 13225 | 2004-10-18 |
| application-body | mmalias.ent | 38209 | 2004-10-18 |
| application-body | mmlextra.ent | 7901 | 2004-10-18 |
| application-body | soextbl.dtd | 12870 | 2004-10-18 |
| application-body | us-application-body.xsl | 82504 | 2004-10-18 |
| application-body | wipo.ent | 4956 | 2004-10-18 |
| application-pdf-wrap | DE920030003US1ABX-pdf-wrap.xml | 773 | 2004-10-18 |
| abstract-pdf | DE920030003US1ABX-abst.pdf | 16853 | 2004-10-18 |
| claims-pdf | DE920030003US1ABX-clsms.pdf | 22637 | 2004-10-18 |
| description-pdf | DE920030003US1ABX-desc.pdf | 42306 | 2004-10-18 |
| drawings-pdf | DE920030003US1ABX-draw.pdf | 23811 | 2004-10-18 |
| us-declaration | DE920030003US1dec1.tif | 77008 | 2004-10-18 |
| package-data | DE920030003US1-pkda.xml | 9096 | 2004-10-18 |
| package-data | package-data.dtd | 27025 | 2004-10-18 |
| package-data | us-package-data.xsl | 19263 | 2004-10-18 |
| Total files size | | | 3152038 |

Message Digest:

374ffc00c78d52e63db30739a0edb01022e2064e

Digital Certificate Holder
Name:

cn=Michael Joseph
Lestrance,ou=Registered
Attorneys,ou=Patent and
Trademark
Office,ou=Department of
Commerce,o=U.S.
Government,c=US